

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6886	(345/156,157,173,174,177).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/28 14:09
S2	21	S1 and (haptic adj information)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 12:40
S3	88	S1 and ((haptic or tactile) adj information)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 12:50
S4	3	S3 and (reproduce with haptic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 12:53
S6	0	S3 and (detect\$4 with reproduc\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 12:54
S7	59	S3 and (\$3produc\$5 with (haptic or tactile or sens\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 14:35
S8	1	S3 and (electrode adj pair)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 14:00
S9	114	("5022407"   "5275174").PN. OR ("5709219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 15:50
S10	0	S9 and (metal with oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 14:02
S11	0	S3 and (metal with oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 14:02

## EAST Search History

S12	53	(metal adj oxide) with (electrode adj pair)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:20
S13	0	S12 and ((haptic or tactile) with interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 14:04
S14	2	S12 and (haptic or tactile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 14:04
S15	53	(metal adj oxide) with (electrode adj pair)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:28
S16	5	S15 and ((sens\$4 or detect\$4) with (touch or pressure or finger or feel\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:24
S17	8	S15 and ((sens\$4 or detect\$4) same (touch or pressure or finger or feel\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:24
S18	114	("5022407"   "5275174").PN. OR ("5709219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 15:50
S19	108	S18 and (display or (touch with (pad or panel)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:51
S20	13	S18 and (touch with (pad or panel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 15:51
S21	6935	(345/156,157,173,174,177).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/28 17:29

## EAST Search History

S22	14	("5220260"   "5414337"   "5559412"   "6046726"   "6084587"   "6131097"   "6147674"   "6161126"   "6169540"   "6285351"   "6292170"   "6300936"   "6496200"   "6529183").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 14:19
S23	6935	(345/156,157,173,174,177).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/28 14:36
S24	88	S23 and ((haptic or tactile) adj information)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 14:36
S25	59	S24 and (\$3produc\$5 with (haptic or tactile or sens\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 15:40
S26	66	("20010016804"   "20040049219"   "2972140"   "3157853"   "3220121"   "3497668"   "3517446"   "3623064"   "3902687"   "3903614"   "3911416"   "4127752"   "4160508"   "4236325"   "4262549"   "4333070"   "4464117"   "4484191"   "4513235"   "4581491"   "4599070"   "4708656"   "4713007"   "4794392"   "4885565"   "4891764"   "4930770"   "4934694"   "5019761"   "5022384"   "5022407"   "5035242"   "5038089"   "5078152"   "5165897"   "5175459"   "5186695"   "5212473"   "5240417"   "5271290"   "5275174"   "5283970"   "5299810"   "5309140"   "5334027"   "5436622"   "5437607"   "5466213"   "5547382"   "5575761"   "5690582"   "5704791"   "5766016"   "5785630"   "5800177"   "5800178"   "5882206"   "6111577"   "6160489"   "6422941"   "6486872").PN. OR ("6965370"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 14:41
S27	4	S24 and (reproduce with (haptic or tactile))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 15:03

## EAST Search History

S28	43	S25 and (produc\$4 with sensation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 15:42
S29	6935	(345/156,157,173,174,177).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/28 17:29
S30	0	("1and(hapticwithportionwithdivid\$4 )").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/28 17:30
S31	0	S29 and (haptic with portion with divid\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:31
S32	95	S29 and (haptic with (element or unit or portion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:31
S33	0	S32 and (simultaneous\$4 with pressure with temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:32
S34	0	S32 and (metal with oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:33
S35	128	S29 and (metal with oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:33
S36	0	S33 and (divid\$4 with metal with oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:34
S37	0	S33 and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:34

## EAST Search History

S38	35	("3853496"   "5057889"   "5076666"   "5124779"   "5148259"   "5150233").PN. OR ("5243202").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 17:38
S39	0	S38 and (haptic or tactile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:38
S40	409	metal with oxide with substrate with detect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:43
S41	156	metal with oxide with layer with substrate with detect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:43
S42	92	S41 and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/28 17:44
S43	24	("4618397"   "4784721"   "4897360"   "5110373"   "5237867"   "5265417"   "5446437"   "5451371"   "5632954"   "5646072"   "5672551"   "5707148").PN. OR ("5804462").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 17:53
S44	14	finger and authentication and haptic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 15:43
S45	21053	(user adj3 authenticat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 15:44
S46	170	(user adj3 authenticat\$5) with finger	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 15:44
S47	9	((user adj3 authenticat\$5) with finger) same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 12:25

## EAST Search History

S48	3	((("5225959") or ("4614937") or ("5648648"))).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/01 12:25
S49	52	("3958234"   "4145748"   "4233522"   "4263659"   "4274752"   "4290052"   "4307383"   "4336483"   "4377049"   "4394643"   "4400758"   "4413252"   "4431882"   "4439647"   "4492958"   "4539554"   "4558313"   "4561002"   "4614937"   "4616213"   "4728931"   "4728932"   "4731694"   "4733222"   "4737768"   "4740781"   "4743464"   "4743895"   "4758830"   "4771277"   "4772874"   "4812833"   "4839512"   "4857684"   "4862151"   "4876461"   "4910504"   "4920343"   "4924222"   "5016008").PN. OR ("5225959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 14:04
S50	4	S49 and fingerprint	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:12
S51	260	fingerprint same menu	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:13
S52	126	S51 and ((detect\$4 or sens\$4) with fingerprint)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:14
S53	42	S52 and (touch adj (panel or display or pad or screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:38
S54	514	(output with haptic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:33
S55	195	(output adj3 haptic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:33

## EAST Search History

S56	5	(output adj3 haptic) with ((indicat\$4 or verify or notify) with (select\$5 or choice or pressed or input))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:37
S57	722	(haptic adj feedback)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:37
S58	0	(haptic adj feedback) with fingerprint	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:38
S59	0	(haptic adj feedback) same fingerprint	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:38
S60	116	(haptic adj (feedback or output)) and (touch adj (panel or display or pad or screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:39
S61	191	haptic with information with user	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 17:13
S62	0	haptic with information with (of adj user)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 17:14
S63	0	haptic with information with (from adj user)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 17:14

## EAST Search History

S64	21	(US-20020033795-\$).did. or (US-6374255-\$ or US-7003495-\$ or US-5225959-\$ or US-6496200-\$ or US-6639582-\$ or US-6879710-\$ or US-5804462-\$ or US-6131097-\$ or US-5995643-\$ or US-6822635-\$ or US-5243202-\$ or US-5709219-\$ or US-6046726-\$ or US-6429846-\$ or US-6803924-\$ or US-6801187-\$). did. or (JP-2002163629-\$).did. or (KR-2002053791-\$ or JP-2006018613-\$ or JP-11328362-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 17:16
S65	2	S64 and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 17:22
S66	922	fingerprint same semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 17:23
S67	117	((detect or read or sense or capture) adj3 fingerprint) same semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 17:24
S68	6	S67 and (touch adj (panel or screen or display))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 16:42
S69	7200	(345/156,157,173,174,177).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/05 16:42
S70	13	S69 and (haptic adj3 element)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 16:43